

SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
Washington, DC



U.S. Department
of Transportation

**Federal Aviation
Administration**

No. CE-04-10
October 29, 2003

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This is information only. Recommendations are not mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) informs you, owners and operators of aircraft equipped with Goodrich Avionics Systems, Inc. SKY899 SkyWatch HP TAS/TCAS I, of a Service Bulletin (SB) that corrects tracking of aircraft with non-altitude reporting transponders. This SAIB affects, but is not limited to, the following aircraft:

Raytheon (Beech)	400, 200/300 KingAir, 350 KingAir, 58P Baron, A36 Bonanza, B36TC, C90A/B KingAir
Bombardier (de Havilland)	DHC-6-300
Cessna	CJ/CJ1/CJ2, 340, 414, 421, 441, 501, 551, 650, 550/S550,
Piaggio	P180
Pilatus	PC-12
Piper	PA31, PA46, PA32, PA60, Navajo, Saratoga
Sikorsky	S-76A
SOCATA	TBM 700

Background

SKY899 SkyWatch HP TAS/TCAS I units with software version 1.6 or earlier do not track aircraft with non-altitude reporting (Mode A) transponders when the aircraft with the SKY899 SkyWatch HP installed is above 6200 feet.

Goodrich has issued SB #121, dated July 14, 2003, which contains instructions for sending SKY899 SkyWatch HP units to the Goodrich Avionics Systems facility to upgrade the software to version 1.7. We have included a copy of SB #121 in this SAIB.

Recommendation

We recommend that owners and operators of affected aircraft send their units to Goodrich Avionics Systems to have software version 1.7 installed at the earliest service opportunity.

For Further Information Contact

Brenda Ocker, Aerospace Engineer, FAA Chicago Aircraft Certification Office, 2300 East Devon Avenue, Des Plaines, IL 60018; phone: (847) 294-7126; fax: (847) 294-7834; email: brenda.s.ocker@faa.gov



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Service Bulletin

SB #121

July 14, 2003

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TRC899 SOFTWARE VERSION 1.7 UPGRADE

- Effectivity:** TRC899, P/N 805-11900-001 & 805-11900-002
- Reason:** This software upgrade:
1. Corrects tracking of non-altitude reporting intruders when own aircraft is greater than approximately 6,200 feet.
 2. Corrects the displayed status of the radio altimeter (valid/invalid) when an offscale condition occurs (i.e., MSG annunciator will not appear on the CDU when radio altimeter is offscale, unless the discrete flag line changes to invalid).
 3. Changes the displayed company logo and name to reflect new ownership by L-3 communications.
- Compliance:** Mandatory. At the earliest service opportunity.
- Description:** Upgrade the TRC899 software to version 1.7.
- Approval:** This Service Bulletin contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.
- Manpower:** N/A
- Materials:** N/A - This is a no charge factory modification.
- Software:** N/A
- References:**
1. SKY899 Installation Manual, P/N 009-11900-001
 2. SKY899A Installation Manual, P/N 009-11905-001

ACCOMPLISHMENT INSTRUCTIONS

Field units shall be modified at the Goodrich Avionics Systems facility in Grand Rapids, Michigan.

When sending the unit to the factory for repair:

- It is not necessary to call for a return authorization. Send the TRC899 to:
Goodrich Avionics Systems
Attn: Customer Service
5353 52nd Street, S.E.
Grand Rapids, MI USA 49512
- Include a letter detailing the symptoms. Also include shipping instructions, a telephone number and a contact person.

For additional assistance call Customer Service (800-453-0288 or 616-949-6600).